#### **BATTELLE MEMORIAL INSTITUTE**

#### **DELEGATION OF AUTHORITY**

#### TO MICHAEL GEGENHEIMER

### FOR PROTECTION OF BATTELLE'S INTELLECTUAL PROPERTY

Pursuant to authority vested in me as the Senior Vice President and Secretary, Battelle Memorial Institute pursuant to resolutions of the Board adopted at its meeting on November 11, 2004, authority is conferred upon Michael Gegenheimer, effective March 1, 2005, as follows:

- 1. To act on behalf of Battelle Memorial Institute in the filing and prosecution of U.S. and foreign patent applications, trademark applications, and copyright registrations, including the authority to execute powers of attorney and any other document(s) in the name of Battelle Memorial Institute as may be necessary in such filing(s) and prosecution(s).
- 2. To execute intellectual property licensing and sale agreements and options therefore in the name of, and on behalf of, Battelle Memorial Institute; and
- 3. To execute Confidential Disclosure Agreements (CDAs), Nondisclosure Agreements (NDAs), and other forms of agreements generally directed to granting, protecting, or conveying rights in the intellectual property of Battelle Memorial Institute.

This delegation shall be exercised in accordance with applicable Battelle regulations, budgets, procedures, directives, and policies taking into consideration risk management. All previous delegations of authority to you are hereby revoked. This delegation shall continue until revoked and shall automatically cease in the event that you are no longer employed by the Corporation. This delegation may not be redelegated.

Jerome Bahlmann

Senior Vice President and Secretary

Copy: Corporate Secretary

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## POWER OF ATTORNEY and CORRESPONDENCE ADDRESS INDICATION FORM

red to respond to a collection of info	rmation unless it displays a valid OMB control number.	
Application Number		
Filing Date		
First Named Inventor	Saunders, James H.	
Title	Method of Removing Sulfur From a Fuel 0	e11
Art Unit	Electrode	
Examiner Name	i,	
Attorney Docket Number	13920US	1

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I hereby revoke all previous powers of attorney of	given in the a	bove-ide	ntified applic	ation.:	
I hereby appoint:					•
Practitioners associated with the Customer Number:		241	16		
OR					
Practitioner(s) named below:				•	
Name	<del></del>		Registrat	ion Numbe	ır.
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as my/our attorney(s) or agent(s) to prosecute the applicatio Trademark Office connected therewith.	n identified abov	e, and to t	ransact all busin	ess in the t	United States Patent and
Please recognize or change the correspondence address for the address associated with the above-mentioned OR  The address associated with Customer Number: OR  Firm or Individual Name Address	·		cation to:		
City		State			Zip
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Applicant/Inventor.  Assignee of record of the entire interest. See 37 CF Statement under 37 CFR 3.73(b) is enclosed. (Fon	FR 3.71. m <i>PTO/</i> SB/96)				
, SIGNATURE	of Applicant or	Assignee	of Record		
Signature Saulu	dhs	•		Date	June 2, 2005
Name James H. Saunders				Telephone	(814) 424-3271
Title and Company (/					
NOTE: Signatures of all the inventors or assignees of record of the e signature is required, see below*.	entire interest or the	eir represent	ative(s) are require	ed. Submit m	ultiple forms if more than one
*Total of 4 forms are submitted.					

This collection of information is required by 37 CFR 1.31, 1.32 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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red to respond to a collection of info	rmation unless it displays a valid OMB control number.
Application Number	
Filing Date	
First Named Inventor	Saunders, James H.
Title	Method of Removing Sulfur From a Fue1 Ce.
Art Unit	Electrode
Examiner Name	
Attorney Docket Number	13920US

I hereby revoke al	l previous pow	ers of atto	rney giv	en in the	above-ide	ntified appli	cation.		
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Please recognize or ch	nange the corresp	ondence add	dress for th	ne above-ide	ntified applic	cation to:			
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I am the:	<u> </u>								
Applicant/Inv	entor.								
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		SIGNA	TURE of	Applicant o	Assignee	of Record			
Signature	Carolin	L M. A	Mark	worth	Execu	iter	Date	6/2/05	
Name	Alan J. Markwor						Telephone	(614) 783-2140	
Title and Company									
NOTE: Signatures of all the signature is required, see		nees of record	d of the entir	e interest or th	neir representa	ative(s) are requi	ired. Submit m	ultiple forms if more than	one
*Total of _4	forms are	e submitted.							

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<u>red to respond to a collection of info</u>	rmation unless it displays a valid OMB control number.	
Application Number		
Filing Date	,	
First Named Inventor	Saunders, James H.	
Title	INIERIOG OF REMOVING Sullar From a	e11
Art Unit	Electrode	
Examiner Name		
Attorney Docket Number	13920US	'

I hereby revoke all previous powers of attorney given i	n the above-identified applic	cation.	
I hereby appoint:			
Practitioners associated with the Customer Number:	24116		
Practitioner(s) named below:			
Name	Registra	ation Number	
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as my/our attorney(s) or agent(s) to prosecute the application identif Trademark Office connected therewith.	fied above, and to transact all busi	ness in the U	nited States Patent and
Please recognize or change the correspondence address for the ab	ove-identified application to:		
The address associated with the above-mentioned Custom	ner Number:		
OR		7	
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OR			
Firm or Individual Name			
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I am the:			
Applicant/Inventor.			
Assignee of record of the entire interest. See 37 CFR 3.71.  Statement under 37 CFR 3.73(b) is enclosed. (Form PTO)			
SIGNATURE of Appli	icant or Assignee of Record		
Signature Practy C. The		Date	5/31/05
Name Bradley C. Glenn		Telephone	(614) 424-7742
Title and Company			
NOTE: Signatures of all the inventors or assignees of record of the entire inte- signature is required, see below*.	rest or their representative(s) are requir	ed. Submit mu	Itiple forms if more than one
*Total of 4 forms are submitted.			

This collection of information is required by 37 CFR 1.31, 1.32 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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## POWER OF ATTORNEY and CORRESPONDENCE ADDRESS INDICATION FORM

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Application Num	ber		
Filing Date			1
First Named Inve	ntór	Saunders, James H.	1
Title		Method of Removing Sulfur From a Fue1	Cell
Art Unit		Electrode	
Examiner Name			
Attorney Docket	Number	13920US	7

I hereby revoke al	l previous	powers of at	torney gi	ven in the ab	ove-ide	ntified applic	ation.	
I hereby appoint:								
Practitioners ass	sociated with	the Customer I	Number:		241	16		
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Name	Barry Hindin					I	Telephone	(614) 424-4121
Title and Company								
NOTE: Signatures of all the signature is required, see	he inventors or below*.	assignees of reco	ord of the ent	ire interest or their	represent	ative(s) are require	ed. Submit mu	litiple forms if more than one
*Total of 4	form	ns are submitted	 j.	-	ų			

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Attorney Docket DECLARATION FOR UTILITY OR Number 13920US First Named Inventor **DESIGN** Saunders, James H. PATENT APPLICATION COMPLETE IF KNOWN (37 CFR 1.63) Application Number Filing Date Declaration Declaration Submitted Submitted after Initial With Initial **Art Unit** Filing (surcharge Filing (37 ČFR 1.16 (e)) **Examiner Name** required) I hereby declare that: Each inventor's residence, mailing address, and citizenship are as stated below next to their name. I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled: METHODS OF REMOVING SULFUR FROM A FUEL CELL ELECTRODE (Title of the Invention) the specification of which is attached hereto 12/05/2003 XX was filed on (MM/DD/YYYY) as United States Application Number or PCT International PCT/US2003/039037 Application Number and was amended on (MM/DD/YYYY) (if applicable). I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above. I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application. I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed. Prior Foreign Application Foreign Filing Date **Priority Certified Copy Attached?** Number(s) Country (MM/DD/YYYY) Not Claimed 12/05/2003 PCT Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

[Page 1 of 2]

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

# Rec'd PCT/PTO 03 JUN 2005 10/537503 PTO/SB/01 (04-05) Approved for use through 07/31/2006. OMB 0651-0032 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

#### **DECLARATION** — Utility or Design Patent Application

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Name									
Address									
City		-		State				ZIP	
Country			Ema	ail	<u></u>				
I hereby declare that all statem and belief are believed to be statements and the like so made false statements may jeopardize	true; and furthede are punishable	er that of the by fine	these state or impriso	ements onment	were mad or both, ur	de with	the kno	owledge that willful	
NAME OF SOLE OR FIRST IN	VENTOR:			atition !	as been file	ad for thi	e uncia	ned inventor	
Given Name (first and middle [if any])  James H.					petition has been filed for this unsi Family Name or Sun Saunders				
Inventor's Signature	under	1						Date/ 6/2/00	
Residence: City	State			Coun	ту		Citize	nship	
Worthington OH	Ohio			US			US		
Mailing Address 2009 Samada Avenue					•	·			
City Worthington	State Ohio				Zip 43085			Country US	
NAME OF SECOND INVENTO	R: DECEASED.	See	Suppl.		A petition	n has bee	en filed	for this unsigned inve	
Given Name (first and middle [	if any])	Shee	t pg. 2			Name or			
Alan J. (deceased)					Markw	orth	•		
Inventor's Signature					•			Date	
				Coun	try		Citize	enship	
Residence: City	State						US	<b>~</b>	
Residence: City Columbus	State Ohio			US					
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10,537,503 PTO/SB/2LR (04-05)
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### DECLARATION Supplemental Sheet

1-11

For Legal Representatives (35 U.S.C. 117) On Behalf of A Deceased or Incapacitated Inventor

Enter Deceased or Incapacitated Inventor's Name _	Alan J.	Markworth	(deceased)	Page 2	of 2
Enter Deceased or incapacitated inventor's Name _	111411 01	Harkworth	<del></del>	Page	_ or <u></u>

Name of Legal Representative:   A petition has been filed for this non-signing legal representative							
Given Name (first and middle (if any))		Family Name or Surname					
Caroline M.		Markwor	th				
Legal Representative's Caroline M. M.	la	ikunt	4		Date 6	12/05	
Residence: City Columbus OH	M. Markworth  State Ohio Country US  Citizenship US						
Mailing Address 1694 Gardenstone Drive							
Mailing Address							
Columbus	Ohio State	١	43235 Zip	Country	US		
Name of Additional Legal Representative, if any	A petition	has	been filed for this nor	n-signing leg	al representative		
Given Name (first and middle (if any))			Family Name or	Surname			
Legal Representative's Signature						-	
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Name of Additional Legal Representative, if any	<b>/</b> :	A petition	has	been filed for this nor	n-signing leg	al representative	
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Legal Representative's Signature		Date					
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Mailing Address					<u>-</u>		
Mailing Address							

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